

**ABSTRACT**

A positioning system, such as may be used to position a moveable object table in three degrees of freedom. More particularly, the invention relates to the use of the positioning system in a lithographic projection apparatus including an illumination system for supplying a projection beam of radiation, a first object table for holding a mask, a second, movable object table for holding a substrate, and a projection system for imaging an irradiated portion of the mask onto a target portion of the substrate.